## **CLAIMS**:

1. A method of detecting working mechanism of a substance on an organism including the step of incubating the compound with viable splenocytes.

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- 2. The method of Claim 1, wherein the viable splenocytes are extracted from rat.
- 3. The method of Claim 1, wherein the substance is incubated with the splenocytes in a buffer at about 20-40°C.

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- 4. The method of Claim 3, wherein the substance is incubated with the splenocytes in a buffer at about 37°C.
- 5. The method of Claim 1 further including the step of analyzing the substance incubated with viable splenocytes by 2-dimensional polyacrylamide gel electrophoresis.
  - 6. The method of Claim 5 further including the steps of detecting production of at least one of the proteins and/or its precursors and/or its breakdown products: TNF-α, IFN-γ and iNOS, hoemotic protein LH-2, cytochrome C oxidase polypeptide IV precursor, DNA polymerase beta, Guanine nucleotide-binding protein G, T-cell surface glycoprotein CD5 precursor and alpha-mannosidase II.
    - 7. The method of Claim 1, wherein the substance is incubated with the splenocytes in a buffer at a pH of about five to nine.

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- 8. The method of Claim 7, wherein the substance is incubated with the splenocytes in a buffer at a pH of about seven.
- 9. The method of Claim 1, wherein the working mechanism is immune response.

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